THAT WHICH IS CLAIMED IS:

1. A method for making a radio frequency (RF) component comprising:

forming a dielectric layer on a semiconductor substrate;

forming and patterning a conductive layer on the dielectric layer to define the RF component;

forming at least one opening through the RF component at least to the semiconductor substrate; and

releasing the RF component from the

10 semiconductor substrate by exposing the semiconductor substrate to an etchant passing through the at least one opening to the semiconductor substrate.

- 2. The method of Claim 1 wherein releasing comprises exposing the semiconductor substrate to a dry etchant.
- 3. The method of Claim 2 wherein the dry etchant comprises XeF₂
- 4. The method of Claim 1 wherein forming the at least one opening comprises forming a plurality of openings laterally adjacent portions of the conductive layer with no openings extending through the conductive layer.
 - 5. The method of Claim 1 wherein forming the plurality of openings comprises forming the plurality of openings in a predetermined pattern.

5

6. The method of Claim 5 wherein the predetermined pattern has substantially uniform spacing between adjacent openings.

- 7. The method of Claim 6 wherein the substantially uniform spacing is in a range of about 20 to about 200 μm .
- 8. The method of Claim 1 wherein the conductive layer comprises aluminum.
- 9. The method of Claim 1 wherein the dielectric layer comprises SiN.
- 10. The method of Claim 1 wherein forming the at least one opening comprises forming the at least one opening to have a diameter in a range of about .5 to 20 μm .
- 11. The method of Claim 1 wherein the semiconductor substrate comprises silicon.
- 12. The method of Claim 1 wherein the at least one opening extends into the semiconductor substrate.
- 13. The method of Claim 1 wherein the at least one opening substantially terminates at a surface of the semiconductor substrate.
- 14. A method for making a radio frequency (RF) component comprising:

forming a dielectric layer on a semiconductor substrate;

forming and patterning a conductive layer on the dielectric layer to define the RF component;

forming a plurality of openings through the dielectric layer at least to the semiconductor substrate; and

- releasing the RF component from the semiconductor substrate by exposing the semiconductor substrate to an etchant passing through the openings to the semiconductor substrate.
 - 15. The method of Claim 14 wherein releasing comprises exposing the semiconductor substrate to a dry etchant.
 - 16. The method of Claim 15 wherein the dry etchant comprises XeF₂.
 - 17. The method of Claim 14 wherein forming the plurality of openings comprises forming the plurality of openings in a predetermined pattern.
 - 18. The method of Claim 17 wherein the predetermined pattern has substantially uniform spacing between adjacent openings.
 - 19. The method of Claim 18 wherein the substantially uniform spacing is in a range of about 20 to about 200 $\mu \rm m$.
 - 20. The method of Claim 14 wherein the conductive layer comprises aluminum.
 - 21. The method of Claim 14 wherein the dielectric layer comprises SiN.
 - 22. The method of Claim 14 wherein the semiconductor substrate comprises silicon.
 - 23. A method for making a radio frequency (RF) component comprising:

forming a dielectric layer on a semiconductor substrate;

forming and patterning a conductive layer on the dielectric layer to define the RF component;

forming a plurality of openings through the dielectric layer in a predetermined pattern at least to the semiconductor substrate; and

- releasing the RF component from the semiconductor substrate by exposing the semiconductor substrate to an etchant comprising XeF₂ passing through the openings to the semiconductor substrate.
 - 24. The method of Claim 23 wherein the predetermined pattern has substantially uniform spacing between adjacent openings.
 - 25. The method of Claim 24 wherein the substantially uniform spacing is in a range of about 20 to about 200 $\mu m\,.$
 - 26. The method of Claim 23 wherein the conductive layer comprises aluminum.
 - 27. The method of Claim 23 wherein the dielectric layer comprises SiN.
 - 28. The method of Claim 23 wherein the semiconductor substrate comprises silicon.
 - 29. A radio frequency (RF) component comprising:

a dielectric layer having opposing first and second major surfaces, the first surface being free from a semiconductor substrate, said dielectric layer

having a plurality of openings extending between the first and second opposing major surfaces; and

a patterned conductive layer on the second major surface of said dielectric layer.

- 30. The RF component of Claim 29 wherein said plurality of openings are arranged in a predetermined pattern.
- 31. The RF component of Claim 30 wherein the predetermined pattern has substantially uniform spacing between adjacent openings.
- 32. The RF component of Claim 31 wherein the substantially uniform spacing is in a range of about 20 to about 200 $\mu \rm m$.
- 33. The RF component of Claim 29 wherein each opening has a diameter in a range of about .5 to 20 $\mu\mathrm{m}.$
- 34. The RF component of Claim 29 wherein each opening has respective rounded over edges adjacent the first and second major surfaces.
- 35. The RF component of Claim 29 wherein the plurality of openings are laterally adjacent portions of the conductive layer with no openings extending through the conductive layer.